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EXPORTS OF KRAFT LINERBOARD AND CORRUGATING MATERIAL 1979-1980

from



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EXPORTS OF KRAFT LINERBOARD AND CORRUGATING MATERIAL

FROM THE U.S., CANADA, NORWAY, SWEDEN AND FINLAND

TO WORLD MARKETS

S U M M A R Y A N D A N A L Y S I S

This is the 17th edition of the American Paper Institute's annual report on world trade in kraft linerboard and corrugating medium. The report provides data on exports from the five major supplying countries. All data in the report are in short tons, and, for linerboard, both bleached and unbleached grades are combined. The analytical portion of the report treats certain historic data that have been generated since API began publishing the report in 1963.

SUMMARY

1980 -- A Record Year As China Explodes on World Scene

Imports by the People's Republic of China were a major story in 1980 for both kraft linerboard and corrugating medium. From 1963 through 1979 that country had been an erratic, insignificant importer of both products, never purchasing more than 50,000 tons of kraft linerboard or more than 40,000 tons of corrugating medium in any single year from the five supplying countries. But 1980 was different. Importing 330,575 tons of kraft linerboard and 71,886 tons of corrugating medium, China vaulted into third and second place, respectively, among the leading individual purchasers of those grades. On the strength of these purchases, there were major shifts in the percentage shares of the geographic areas, relative to each other.

The United States established a new record for kraft linerboard exports -- 2,527,245 tons, surpassing the old record set in 1971 by 28.6 percent, and nearly 54 percent higher than the 1979 export mark. U.S. shipments to five geographic areas -- Central America; the Caribbean; Africa; the Far East; and the People's Republic of China -- reached record highs in 1980.

The total of worldwide exports of kraft linerboard in 1980 from the five supplying countries amounted to 4,048,322 tons -- increasing for the fifth consecutive year and eclipsing the previous record, set in 1974, by 23.6 percent. However, Canada was the only other supplying country, besides the U.S., to export more in 1980 than in the previous year. See Table 1.

Table 1
EXPORTS OF KRAFT LINERBOARD

	<u>Percentage Change</u>				
	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1979/80</u>	<u>1978/79</u>
United States	2,527,245	1,644,901	1,539,511	+ 53.6	+ 6.8
Sweden	893,517	953,804	956,710	- 6.3	- 0.3
Canada	355,401	287,377	283,239	+ 23.7	+ 1.5
Finland	261,407	350,516	332,859	- 25.4	+ 5.3
Norway	10,762	14,746	19,077	- 27.0	- 22.7
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
TOTAL	4,048,332	3,251,344	3,131,396	+ 24.5	+ 3.8

The United States accounted for 62.4 percent of the kraft linerboard exports from the five supplying countries, compared to 50.6 percent the year before. The growth of the U.S. market share came at the expense of Sweden and Finland. 1980 was the first year since 1972 that the U.S. accounted for more than 60 percent of the total export tonnage from the exporting countries. See Table 2.

Table 2

PERCENTAGE DISTRIBUTION OF KRAFT LINERBOARD EXPORTS WORLDWIDE
AMONG THE FIVE SUPPLYING COUNTRIES IN SELECTED YEARS

	<u>U.S.</u>	<u>Sweden</u>	<u>Canada</u> (In Percent)	<u>Finland</u>	<u>Norway</u>
1980	62.4	22.1	8.8	6.4	0.3
1979	50.6	29.3	8.8	10.8	0.5
1978	49.2	30.6	9.0	10.6	0.6
1977	47.9	27.0	13.2	10.9	1.0
1976	51.4	21.6	11.5	14.7	0.8
1975	59.6	17.7	9.6	12.3	0.8
1974	53.2	18.9	12.6	14.6	0.7
1973	53.6	20.5	10.1	15.0	0.8
1972	61.1	17.2	7.2	13.7	0.8
1971	67.3	15.5	5.9	10.6	0.7
1970	66.0	15.0	7.5	10.8	0.7

We have examined the underlying trends in the exports of kraft linerboard from each of the five supplying countries by computing the average annual growth rates in three reference periods during the last fifteen years: 1965 through 1971; 1971 through 1976; and 1976 through 1980. See Table 3. (For more detail, see Chart 2, on page xxx, which provides a graphic presentation of each country's kraft linerboard exports from 1963 to 1980.)

It should be noted again that the 1971-1976 period began in the U.S. in a time of exceptionally high export demand and ended the year after the worldwide recession of 1975. In contrast, the four other supplying countries reached their export peaks in either 1973 or 1974, accounting for the difference in growth rate patterns during that period. All five countries began recovering in varying degrees in 1976. The U.S. was the only country among the five to experience continued growth in its export volume each year since 1975. Sweden experienced dramatic growth from 1976 through 1978 (an average of 60 percent yearly), but the decline in exports during the last two years has curtailed the growth rate for the 1976-1980 period.

Table 3

AVERAGE ANNUAL GROWTH RATES OF KRAFT LINERBOARD EXPORTS

	<u>1965-1971</u>	<u>1971-1976</u> (In Percent)	<u>1976-1980</u>
United States	+ 13.8	- 6.3	+ 15.5
Canada	+ 5.8	+ 13.0	+ 2.8
Finland	- 0.6	+ 5.5	- 10.3
Sweden	+ 8.8	+ 5.8	+ 10.6
Norway	+ 18.3	+ 2.8	- 16.8
TOTAL	+ 10.2	- 1.1	+ 10.0

For corrugating medium, the aggregate export volume from the five supplying countries in 1980 (807,519 tons) increased for the fifth consecutive year, falling less than two percent shy of the 1971 record. Table 4 provides data on the export volume of corrugating medium from these countries during the last three years. According to the Census Bureau, the source for the U.S. data published in this report, the U.S. exported 62,884 tons of corrugating medium in 1980, a gain of 262 percent from the previous year. However, the API Fourdrinier Kraft Board Group reported that production of corrugating medium for export rose 250 percent from the 1979 level to 322,000 tons in 1980. The Statistical Note on page xxviii provides an explanation of the U.S. figures on corrugating medium.

Table 4

EXPORTS OF CORRUGATING MATERIAL

	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>Percentage Change</u>	
				<u>1979/80</u>	<u>1978/79</u>
United States *	62,884	17,361	32,050	+262.2	- 45.8
Sweden	251,473	271,371	263,473	- 7.3	+ 3.0
Finland	246,742	255,149	238,877	- 3.3	+ 6.8
Canada	198,470	156,137	176,992	+ 27.1	- 11.8
Norway	47,950	47,538	36,457	+ 0.9	+ 30.4
TOTAL	807,519	747,556	747,849	+ 8.0	-

*See the Statistical Note, on page , for an explanation of the U.S. figures.

ANALYSIS

REVIEW OF IMPORTING AREAS

General Overview

The three tables that follow provide an overview of kraft linerboard imports by ten geographic areas from different perspectives: (a) tonnage distribution in the last three years; (b) percentage distribution in 1980 and four selected years; and (c) comparison of average annual percentage growth. Some of the changes, particularly with regard to Far Eastern countries, including the People's Republic of China, are quite significant and may warrant further study by company planners. As noted earlier, the 1971-1976 period was recessionary, and many areas experienced a slow recovery in 1976, keeping growth rates down for that period.

Table 5
WORLD MARKETS FOR EXPORTS OF KRAFT LINERBOARD

	<u>Tonnage</u>			<u>Percentage Change</u>	
	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1979/80</u>	<u>1978/79</u>
<u>Areas Showing Import Increase in 1980:</u>					
Total Western Europe	2,145,579	2,040,994	1,858,802	+ 5.1	+ 9.8
Central America and Mexico	337,375	278,651	270,646	+ 21.1	+ 3.0
Caribbean and Other Islands	68,216	54,894	79,040	+ 24.3	- 30.5
South America	133,897	114,583	153,453	+ 16.9	- 25.3
Africa	274,106	126,397	138,012	+116.9	- 8.4
Oceania and Far East	496,308	357,483	323,218	+ 38.8	+ 10.6
U.S.S.R./Eastern Europe	66,761	56,643	44,468	+ 17.9	+ 27.4
People's Republic of China	330,575	13,773	35,798	n.m.	- 61.5
 <u>Areas Showing Import Decrease in 1980:</u>					
North America ^{1/}	65,511	75,435	64,665	- 13.2	+ 16.7
Near and Middle East	130,004	132,491	163,294	- 1.9	- 18.9
 TOTAL	 4,048,332	 3,251,344	 3,131,396	 + 24.5	 + 3.8

^{1/} For this report, North America includes only Canada and the U.S. Mexico is grouped with the Central American countries.

n.m. -- not meaningful

Table 6

PERCENTAGE DISTRIBUTION BY GEOGRAPHIC AREA OF TOTAL KRAFT LINERBOARD EXPORTS
FROM THE FIVE SUPPLYING COUNTRIES IN SELECTED YEARS

	<u>1980</u>	<u>1979</u>	<u>1978</u> (In Percent)	<u>1970</u>	<u>1965</u>
North America	1.6	2.3	2.1	0.7	0.6
Western Europe	53.0	62.8	59.4	69.6	75.2
Enlarged EC of Nine	48.5	58.1	55.4	64.0	-
Central America and Mexico	8.3	8.6	8.7	9.0	6.4
Caribbean and Other Islands	1.7	1.7	2.5	1.5	1.3
South America	3.3	3.5	4.9	5.6	5.5
Near and Middle East	3.2	4.1	5.2	4.0	2.6
Africa	6.8	3.9	4.4	4.1	2.5
Oceania and Far East	12.3	11.0	10.3	3.9	4.3
U.S.S.R./Eastern Europe	1.6	1.7	1.4	0.5	1.5
People's Republic of China	8.2	0.4	1.1	1.1	0.1
TOTAL	100.0	100.0	100.0	100.0	100.0

Table 7

AVERAGE ANNUAL GROWTH RATES OF KRAFT LINERBOARD IMPORTS BY GEOGRAPHIC AREAS

	<u>1965-1971</u>	<u>1971-1976</u> (In Percent)	<u>1976-1980</u>
North America	+ 15.3	+ 27.7	- 2.3
Western Europe	+ 9.2	- 3.4	+ 5.3
Enlarged EC of Nine		- 3.3	+ 5.0
Central America and Mexico	+ 15.6	+ 1.4	+ 6.2
Caribbean and Other Islands	+ 12.8	+ 14.2	+ 6.2
South America	+ 8.8	- 9.2	+ 10.0
Near and Middle East	+ 18.0	+ 4.6	- 2.1
Africa	+ 18.8	+ 4.2	+ 17.7
Oceania and Far East	+ 13.4	- 2.4	+ 39.5
U.S.S.R./Eastern Europe	- 36.2	+111.4	- 0.2
TOTAL	+ 10.2	- 1.1	+ 10.0

The next two tables show the five largest importing countries of kraft linerboard and corrugating medium in 1980, as well as their relative positions in the two preceding years. China's appearance among the top five kraft linerboard importing countries displaced the Netherlands, which was among the five largest importers in 1979. The combined tonnage of these five leading countries accounted for 47.2 and 43.4 percent, respectively, of worldwide exports of kraft linerboard and corrugating medium in 1980.

Table 8

EXPORTS OF KRAFT LINERBOARD TO THE FIVE LARGEST IMPORTING COUNTRIES

	Changes In:						
			Tonnage		Percentage		
	1980	1979	1978	1979/80	1978/79	1979/80	1978/79
United Kingdom	612,629	614,026	591,913	- 1,397	+ 22,113	- 0.2	+ 3.7
Germany	476,782	447,060	424,167	+ 29,722	+ 22,893	+ 6.6	+ 5.4
People's Republic of China	330,575	13,773	35,798	+316,802	+ 22,025	n.m.	- 61.5
France	259,937	258,513	233,392	+ 1,424	+ 25,121	+ 0.6	+ 10.8
Italy	231,293	182,308	168,593	+ 48,985	+ 13,715	+ 26.9	+ 8.1

n.m. -- not meaningful.

Table 9

EXPORTS OF CORRUGATING MEDIUM TO THE FIVE LARGEST IMPORTING COUNTRIES

	Changes In:						
			Tonnage		Percentage		
	1980	1979	1978	1979/80	1978/79	1979/80	1978/79
United Kingdom	93,220	98,393	96,809	- 5,173	+ 1,584	- 5.3	+ 1.6
People's Republic of China	71,886	23,139	16,578	+48,747	+ 6,561	+ 210.7	+ 39.6
Germany	68,590	56,702	48,458	+11,888	+ 8,244	+ 21.0	+ 17.0
France	67,164	74,329	73,323	- 7,165	+ 1,006	- 9.6	+ 1.4
Italy	49,406	35,337	23,671	+14,069	+11,666	+ 39.8	+ 49.3

Western Europe

Imports to this area from the five supplying countries (2,145,579 tons) rose 5.1 percent, or nearly 105,000 tons, over 1979. Although this was the second year in a row of increased imports, the area tonnage was still about three percent below the record 2,217,197 tons imported in 1974.

While Western Europe remained the most important kraft linerboard market for each of the five supplying countries in 1980, the area's percentage share of the total kraft linerboard export volume fell from 62.8 percent in 1979 to 53 percent in 1980, the lowest percentage recorded by Western Europe since API began publishing these data. The previous low had been 59.4 percent in 1978. As we have noted in previous editions of this report, in each year from 1964 to 1974 at least 68 percent of the total exports of kraft linerboard was shipped to Western Europe, with the record high of 77.8 percent being established in 1964.

Only the U.S. and Canada exported more kraft linerboard to Western Europe in 1980 than in 1979, yet for both countries the share of kraft linerboard exports to Western Europe as a percentage of their total exports declined. Sweden was able to increase the share of its linerboard exports going to Western Europe, even though the volume fell nearly five percent to 832,128 tons.

Within the Western European area, the nine countries of the enlarged European Community imported 1,961,923 tons of kraft linerboard in 1980, nearly four percent more than in the previous year, and only 47,667 tons, or 2.4 percent, shy of the 1972 record. 1980 was the fifth consecutive year of increased imports for the Community.

Notwithstanding its near record import tonnage, the enlarged Community accounted for 48.5 percent of total kraft linerboard exports from the five supplying countries in 1980, a sharp decline from the 58.1 percent in 1979, and the first time since it was established that the Community's share fell below 50 percent. The record high of 65.4 percent was set in 1972.

Denmark, Ireland, the Netherlands and the United Kingdom were the only countries in the Community to import less in 1980 than in the year before. Although the United Kingdom's purchases fell less than one percent, to 612,629 tons, that country for the ninth consecutive year was the largest single importer in any area. The U.S. and Sweden, with 50 and 27 percent, respectively, were the major suppliers to the United Kingdom, in sharp contrast to 1979, when their respective shares were 42 and 32 percent.

The West European countries imported 459,443 tons of corrugating medium, up 5.2 percent from 1979, and accounting for 56.9 percent of the worldwide shipments from the five supplying countries in 1980. The export tonnage of corrugating medium sent to Western Europe in 1980, however, was still far below the 1970 record of 617,468 tons. The enlarged European Community received 83 percent of the total tonnage shipped to Western Europe, virtually the same as in the previous four years. For the eighth consecutive year, the United Kingdom was the largest individual purchaser (93,220 tons).

North America ^{1/}

Imports of kraft linerboard and corrugating medium by the U.S. and Canada from each other are relatively small, especially when compared to the production level of these grades in each country. Traditionally, each country is the only supplier of the other for imports of these grades, and purchases are largely made by box makers located close to the border, who find it more economical and convenient to import from a nearby mill rather than to purchase containerboard from a domestic manufacturer located considerably further away.

The U.S. imported 39,429 tons of kraft linerboard from Canada in 1980, nearly double the 1979 tonnage. Canada, on the other hand, imported 26,082 tons from the U.S., half as much as in the previous year. It should be noted, however, the Bureau of the Census indicated that there were some errors in the documentation of U.S. kraft linerboard exports to Canada in 1979, which were reported at 54,606 tons. Both the API's Fourdrinier Kraft Board Group and the Canadian Pulp and Paper Association estimated that the actual U.S. export figure to Canada was approximately 25,000 tons. Thus, there has been no significant change in the U.S. shipments to Canada during 1980.

^{1/} For this report, North America includes only the United States and Canada.

Central America and Mexico

For the third consecutive year, this area was the third largest importer of kraft linerboard, behind Western Europe and the Far East. Kraft linerboard imports by the eight countries in the area rose to a record 337,375 tons, surpassing by 21.1 percent the previous mark set in 1979. The U.S. was the sole supplier in 1980. Costa Rica maintained its position as the leading purchaser within the area, although imports fell nearly nine percent to 88,398 tons. Honduran imports grew by a little more than one percent to 85,864 tons, perhaps signaling a slowdown in the rapid growth experienced by that country since 1975, when its imports amounted to only 38,077 tons. Guatemala (up 41 percent to 46,887 tons) and Mexico (up 312 percent to 32,034 tons) also experienced significant growth in 1980. Nicaragua was the only other country besides Costa Rica to import less kraft linerboard in 1980 than in the previous year.

Corrugating medium exports into the area fell by 13.1 percent to 52,149 tons, four-fifths of which was supplied by Canada. Honduras, Costa Rica and Panama, in that order, were the largest importers, and their combined tonnage accounted for 90 percent of the area's imports.

Caribbean and Other Islands

Kraft linerboard imports rose 24.3 percent to 68,216 tons in 1980, as seven of the eleven countries in the area imported more in 1980 than in the previous year. This stemmed a three-year decline from the record 1976 level of 88,006 tons. Cuba took over as the leading purchaser in the area, with imports of 22,099 tons, virtually all of which came from Canada, compared to 8,982 tons the year before. The French West Indies, which had been the leading purchaser for the last three years, imported only 6,739 tons in 1980, a drop of nearly 53 percent from 1979. The U.S. supplied 67.6 percent of the area's kraft linerboard imports, down from 83.6 percent in 1979 and reflecting the growth in Canadian shipments, which rose from 6,694 tons in 1979 to 21,442 tons in 1980.

South America

This area increased its imports by almost 17 percent to 133,897 tons, but it was still about 20,000 shy of the 1978 record. Half of the dozen countries in the area experienced gains in kraft linerboard imports, led by Colombia (up 22 percent to 55,549 tons) and Ecuador (up 19 percent to 49,132 tons). These two countries, supplied exclusively by the U.S., accounted for 78 percent of the total kraft linerboard tonnage shipped to the area, compared to 76 percent in 1979. The U.S. supplied 97 percent of the kraft linerboard exported to South America, a gain of one percentage point from the previous year.

South American imports of corrugating medium in 1980 fell nearly 29 percent to 28,130 tons, largely because of import declines by Colombia and Chile. Ecuador's purchases (24,613 tons) were about four percent below the 1979 level, but that country was still the largest purchaser in the area, accounting for 87 percent of the volume, compared to 65 percent in 1979. Canada's share of the area's tonnage remained at 88 percent, the same as in 1979, but short of the 96 percent in 1978. This reflects increased U.S. and Swedish penetration of the market during the last two years.

Near and Middle East

Kraft linerboard imports fell slightly (just 1.9 percent to 130,004 tons), following a sharp decline of 19 percent the year before, from the 1978 level of 163,294 tons. Iran purchased 22,395 tons in 1980, an improvement over the 13,479-ton level of 1979, but still way below the record 75,773 tons imported in 1978, when it was the leading importer in the area. The U.S. has traditionally been the leading supplier to Iran. Since the Iranian revolution, however, U.S. exports have declined sharply: from 55,561 tons in 1978 to 9,544 tons in 1979, and to nothing in 1980. Sweden moved in to fill the vacuum somewhat, shipping 19,318 tons to Iran in 1980, compared to 2,761 tons the year before.

Israel, traditionally the other leading importer in the area, experienced a decline of a little more than a third, as imports fell to 57,307 tons. Iran and Israel, together, accounted for 61 percent of the total tonnage shipped to the area, compared to 77 percent in 1979 and 84 percent in 1978. Lebanon and Saudi Arabia significantly increased their purchases in 1980. The U.S. and Sweden accounted for 76 and 19 percent, respectively, of shipments to the area.

Exports of corrugating medium to the Near and Middle East amounted to 48,205 tons in 1980, virtually the same as in 1979. Iran was the leading purchaser with 24,182 tons, up 55 percent over 1979, while Israel's imports fell 54 percent to 9,671 tons.

Africa

African countries imported a record 274,106 tons, 117 percent higher than the 1979 level and 53 percent higher than the previous record, set in 1974. Kraft linerboard shipments from the U.S. jumped from 69,663 tons in 1979 to 240,555 tons in 1980, accounting for most of the area's dramatic growth during the year. The U.S. supplied 87.8 percent of the kraft linerboard shipped to Africa in 1980, compared to 55.1 percent the previous year. The increased U.S. share came at the expense of Sweden, whose exports to Africa fell by nearly a half in 1980 to 22,443 tons, representing only 8.2 percent of the total tonnage sent to the area. In contrast, Sweden accounted for 32.2 percent in 1979. The Canary Islands, traditionally the leading purchaser of kraft linerboard in Africa, increased its imports 40.1 percent to 36,425 tons. Nonetheless, that country dropped to third place, as Nigeria and Egypt made spectacular improvements: Nigerian imports jumped from 13,656 tons in 1979 to 66,238 tons in 1980, while those of Egypt rose from 8,739 to 57,751 tons. South Africa and the Ivory Coast, in that order, were the next two leading purchasers. The combined volume of these five countries accounted for 79 percent of the area's total import tonnage in 1980.

Imports of corrugating medium (61,705 tons, up 2.7 percent from 1979) remained relatively stable for the third consecutive year. Nigeria, the Ivory Coast and Morocco, in that order, were the leading purchasers, and their combined tonnage represented 58.7 percent of the area's total import volume. Sweden and Finland accounted for 39 and 35 percent, respectively, of the corrugating medium shipped to Africa in 1980.

Oceania and the Far East

Maintaining the position it captured in 1978 as the second largest importer of kraft linerboard, this area established a new record (496,308 tons), surpassing the old one, set the previous year, by nearly 39 percent. Eleven of the 18 countries in the area imported more in 1980 than in the previous year.

As has been the case since 1977, Japan was the leading purchaser in the area, importing 206,143 tons, 80 percent more than in the year before. Japan accounted for 42 percent of the area's total import volume, ten percent higher than in 1979. Starting from the base year of 1973 (51,319 tons), Japan's imports of kraft linerboard have grown at an average annual rate of 22 percent. The structural changes taking place within the Japanese kraft industry may result in the continued growth of linerboard imports. In 1980, the U.S. supplied almost 79 percent of the linerboard shipped to Japan, compared to 65 percent in 1979, and 48 percent in 1978. During the same time span, the percentage share of Canada, Japan's other major supplier, fell from 46 percent in 1978 to only 21 percent in 1980.

Increasing its imports 53 percent to 70,582 tons, Hong Kong moved into second position in the area. The U.S. supplied 83 percent of the linerboard shipments to Hong Kong, while Canada provided the remaining 17 percent. Singapore, the Philippines and Indonesia, in that order, were the next leading purchasers.

The U.S. provided 83 percent of the total kraft linerboard shipped to the area in 1980, contrasted with 74 percent in 1979 and 62 percent in 1978. Canada's percentage share fell from 26 percent in 1978, to 19 percent in 1979, and to 16 percent in 1980, even though that country's 1980 export volume to the area rose 12.5 percent to 78,038 tons.

Imports of corrugating medium by the countries in this area (33,631 tons) rose nearly 40 percent from the 1979 level, but were still significantly below the 1978 record of 51,454 tons. Singapore (9,277 tons, compared to 767 tons the year before) and Hong Kong (8,757 tons, compared to 386 tons in 1979) led the way, and the two countries together accounted for almost 54 percent of the total import volume in the area. On the other hand, Japan (826 tons) continued its dramatic downward shift from the peak of 25,631 tons in 1978, and then 5,843 tons in 1979. Finland and Sweden, traditionally the leading supplying countries to the area for corrugating medium, were displaced by Canada in 1980.

U.S.S.R./Eastern Europe and the People's Republic of China

From 1963 through 1975, kraft linerboard imports by the Soviet Union and the countries of Eastern Europe were quite erratic, but the area has shown some stability during the last five years. In 1980, imports rose 18 percent to 66,761 tons. The Soviet Union's imports from Finland, its only supplier, grew by almost 21 percent to 61,232 tons, and Finland accounted for 94 percent of the shipments to the area.

The 1980 appearance of the People's Republic of China as a major purchaser of containerboard was a welcome but unexpected event. Kraft linerboard imports varied greatly from 1963 through 1979, attaining a record high of only 49,318 tons in 1977. The most the U.S. ever shipped to China was 22,045 tons, again in 1977. Chinese imports declined significantly during the next two years. In 1980, however, the import volume amounted to 330,575 tons, making China the third leading purchaser in the world. The U.S. supplied 96 percent of the kraft linerboard shipped to China in 1980, while Canada and Sweden each supplied two percent. China also purchased 71,886 tons of corrugating medium in 1980, more than triple the amount imported the year before. Once again, the U.S. was the leading supplier (34,051 tons, compared to 32 tons in 1979), accounting for 47 percent of the total tonnage shipped to China. Canada doubled its exports of medium to 24,364 tons, accounting for one-third of the shipments from the five supplying countries to China in 1980, and Finland had the remaining 20 percent.

REVIEW OF EXPORTING COUNTRIES

United States

Total U.S. exports of kraft linerboard (both unbleached and bleached) reached a record 2,527,245 tons in 1980, a stunning 53.6 percent higher than in 1979, and surpassing by nearly 29 percent the previous record of 1,965,891 tons, set in 1971.^{1/} On both an absolute tonnage and a percentage basis, this was the largest gain in kraft linerboard exports in any one year. (Table 2, on page iii, provides the average yearly growth rates of kraft linerboard exports in three reference periods: 1965-1971; 1971-1976; and 1976-1980).

According to API's Fourdrinier Kraft Board Group, production of unbleached kraft linerboard for export rose 45 percent to 2,380,000 tons in 1980. The discrepancy between the Bureau of the Census and the FKBG figures is within reason, considering the complexity of the U.S. export classification reporting system, as well as the thousands of export transactions that are recorded each year. The Statistical Note on page xxviii, provides additional information about these two sources of U.S. export data.

While production of unbleached kraft linerboard for export achieved such imposing gains in 1980, production for domestic use eased slightly from 12,306,000 tons in 1979 to 11,852,000 tons in 1980, a 3.7 percent decline. Production of containerboard (linerboard plus corrugating medium) for domestic use fell 4.0 percent to 18.1 million tons. The decline in production of containerboard for domestic use reflected weakness in the shipments of corrugating shipping containers. Fiber box shipments in 1980 amounted to 241.4 billion square feet, a 3.7 percent decrease from the previous year. Inventories of containerboard at mills and box plants showed little change from the end of 1979 to the end of 1980.

Exports of kraft linerboard in 1980 amounted to 70 percent of total U.S. paperboard exports and 56 percent of total paper and paperboard exports. According to the Bureau of the Census, approximately 17 percent of the kraft linerboard produced in 1980 was exported, compared to about 12 percent each year from 1976 through 1979.

Table 10 shows the tonnage distribution of U.S. exports of kraft linerboard by area of destination, and Chart 1 provides a percentage distribution of kraft linerboard exports by area of destination in 1980 and the previous record year of 1971.

^{1/} According to the Bureau of the Census, the value of total U.S. exports of kraft linerboard in 1980 amounted to \$790.1 million, compared to \$434.5 million in 1979, a gain of 82 percent.

Table 10

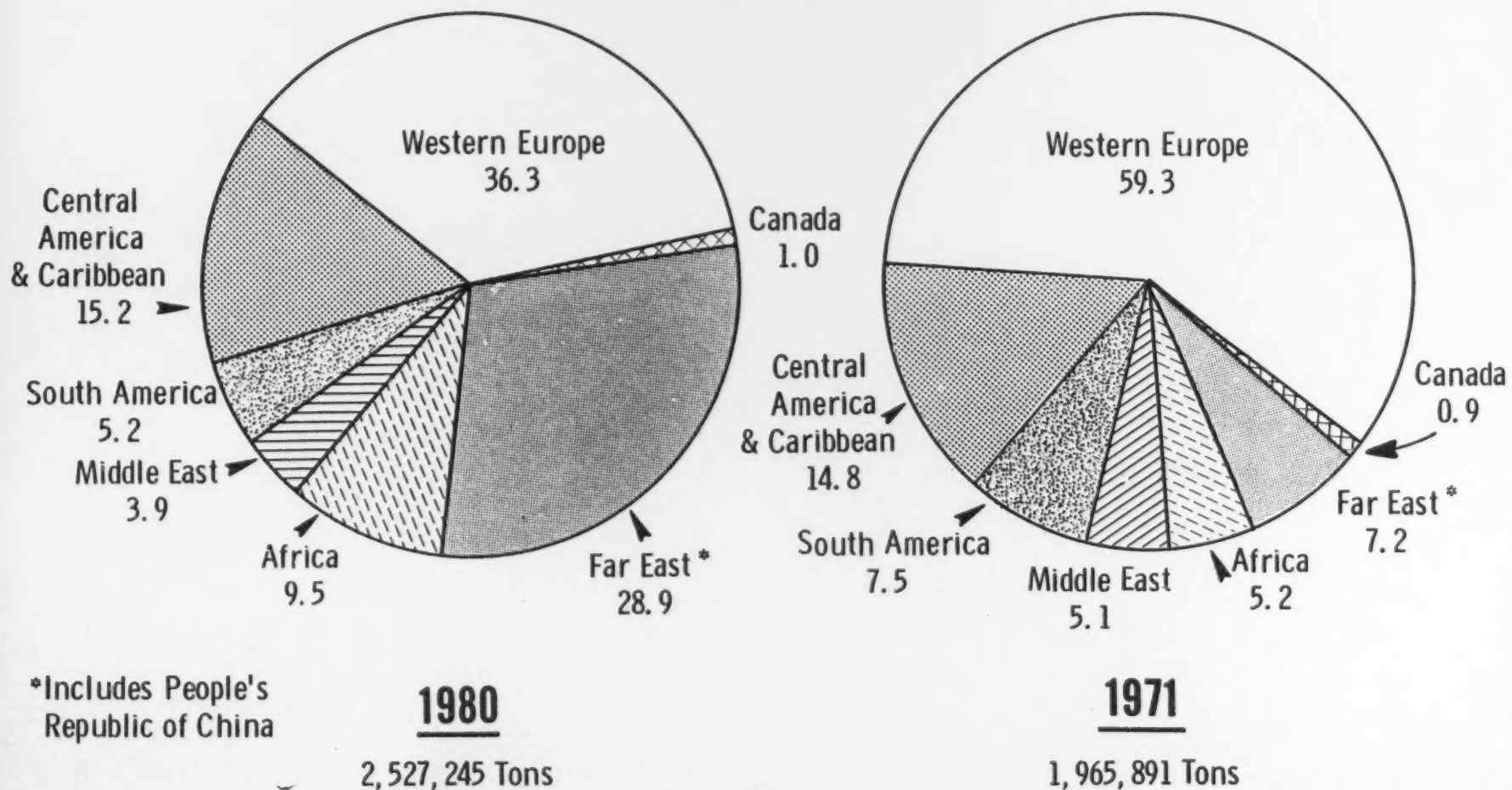
U.S. EXPORTS OF KRAFT LINERBOARD BY AREA OF DESTINATION

	<u>1980</u>	<u>1979</u>	<u>Changes in 1979/80:</u>	
			<u>Tonnage</u>	<u>Percentage</u>
Canada	26,082	54,606	- 28,524	- 52.2
Total Western Europe	918,633	711,138	+ 207,495	+ 29.2
Central America and Mexico	337,375	278,352	+ 59,203	+ 21.2
Caribbean and Other Islands	46,117	45,912	+ 205	+ 0.4
South America	130,280	109,969	+ 20,311	+ 18.5
Near and Middle East	98,613	100,588	- 1,975	- 2.0
Africa	240,555	69,663	+ 170,892	+ 245.3
Oceania and Far East	410,566	264,153	+ 146,413	+ 55.4
People's Republic of China	319,024	10,520	+ 308,504	n.m.
 TOTAL	 2,527,245	 1,644,901	 + 882,344	 + 53.6

n.m. - not meaningful.

CHART 1

PERCENTAGE DISTRIBUTION OF U.S. EXPORTS OF KRAFT LINERBOARD BY AREA OF DESTINATION



The People's Republic of China was the largest individual purchaser of kraft linerboard from the U.S. in 1980, displacing the United Kingdom, which had occupied that position for the three previous years. For the first time, Japan also entered the ranks of the five largest purchasing countries. Costa Rica and Honduras, the countries in fourth and fifth place, respectively, in 1979, dropped to sixth and seventh in 1980. Table 11 shows level of imports of the five leading U.S. customers in 1980, as well as their relative positions during the two preceding years.

Table 11

U.S. EXPORTS OF KRAFT LINERBOARD TO THE FIVE LARGEST COUNTRIES

	Changes In:						
				Tonnage		Percentage	
	1980	1979	1978	1979/80	1978/79	1979/80	1978/79
People's Republic of China	319,024	10,520	2,631	+ 308,504	+ 7,889	n.m.	+ 299.8
United Kingdom	304,681	256,363	214,294	+ 48,318	+ 42,069	+ 18.8	+ 19.6
Germany	242,851	176,722	158,973	+ 66,129	+ 17,749	+ 37.4	+ 11.2
Japan	162,348	74,443	57,842	+ 87,905	+ 16,601	+ 118.1	+ 28.7
Italy	160,750	100,625	91,898	+ 60,125	+ 8,727	+ 59.8	+ 9.5

n.m. - not meaningful

With purchases of 837,889 tons, the enlarged European Community was still the most important market for the U.S. The Community's import tonnage was 27 percent higher than in 1979, which in turn was 12 percent above the 1978 level. Within the Community, the U.S. increased its exports to all countries, except Belgium, Ireland and the Netherlands.

Despite the tonnage increase, the Community accounted for only one-third of total U.S. shipments of kraft linerboard in 1980, compared to 40.2 percent in 1979, 38.3 percent in both 1978 and 1977, and far below the 56.6 percent in the record year of 1971.

The U.S. share of the Community's total kraft linerboard imports from the five supplying countries rose, however, from 35 percent in 1979 to nearly 43 percent in 1980, the third consecutive year of gain for the U.S. following a downward trend during which the U.S. percentage share fell from 58.3 percent in the record year of 1971 to 32.8 percent in 1977.

The downward trend in the Community's percentage share of U.S. exports of kraft linerboard is being offset by the increase in the percentage share going to the Far East, including the People's Republic of China. In 1980, 28.9 percent of total U.S. kraft linerboard shipments went to Far Eastern countries, compared to 16.7 percent the year before, and only 7.2 percent in 1971.

During the last year, the U.S. market share dropped in the Caribbean, due to the increase in Canadian shipments to the area, but remained stable in the rest of Latin America and the Middle East. Significant gains were made in Africa. See Table 12.

Table 12

U.S. SHARE OF KRAFT LINERBOARD EXPORTS AS A PERCENTAGE OF TOTAL EXPORTS

FROM THE FIVE SUPPLYING COUNTRIES

	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1977</u>	<u>1971</u>	<u>1968</u>
	(In Percent)					
Western Europe	42.8	34.8	33.5	32.6	56.2	79.6
Enlarged EC of Nine	42.7	35.0	34.0	32.8	58.3	-
Central America and Mexico	100.0	99.9	99.7	93.1	99.8	100.0
Caribbean and Other Islands	67.6	83.6	91.1	80.8	96.9	99.7
South America	97.3	96.0	95.4	99.3	99.9	99.7
Near and Middle East	75.9	75.9	65.6	75.1	88.9	89.1
Africa	87.8	55.1	57.8	62.3	97.1	87.1
Oceania and Far East	82.7	73.9	61.7	59.3	95.2	98.0
U.S.S.R./Eastern Europe	0.0	0.0	0.0	0.1	0.0	0.0
People's Republic of China	96.5	76.4	7.3	44.7	0.0	0.0
TOTAL	62.4	50.6	49.2	47.9	67.3	64.8

Sweden

For the second consecutive year, Sweden's kraft linerboard exports (893,517 tons) declined, after reaching an all-time high of 956,710 tons in 1978. Some of the decline can be attributed to the strikes in April and May.

Nonetheless, the 1980 level of Swedish exports was 44 percent higher than in 1974, which was the year of highest worldwide demand, prior to 1980. By way of contrast, the 1980 exports of the other supplying countries, with the exception of the U.S., were in varying degrees still below their respective 1974 levels. Swedish kraft linerboard exports in 1980 were 145 percent above the recessionary level of 1975, reflecting more dramatic growth in this period than in any other country, save the U.S.

Sweden's share of kraft linerboard exports in 1980, relative to the four other supplying countries, decreased in all geographic areas, except for the Near and Middle East. The most significant decline occurred in Africa, where Sweden had made considerable market penetration in the late 1970's. See Table 13.

Table 13

SWEDISH SHARE OF KRAFT LINERBOARD EXPORTS AS A PERCENTAGE OF TOTAL EXPORTS
FROM THE FIVE SUPPLYING COUNTRIES IN SELECTED GEOGRAPHIC AREAS

	<u>1980</u>	<u>1979</u>	<u>1978</u> (In Percent)	<u>1977</u>	<u>1971</u>	<u>1968</u>
Enlarged EC of Nine	38.4	42.4	42.0	36.8	20.9	-
Near and Middle East	18.6	10.8	23.8	15.0	0.1	0.9
Africa	8.2	32.2	33.0	23.6	3.5	4.9
Oceania and Far East	1.1	5.7	11.0	5.4	0.9	0.1
Total Swedish Kraft Linerboard Exports	22.1	29.3	30.6	27.0	15.5	16.2

The Near and Middle East and the People's Republic of China were the only areas to which Sweden shipped more kraft linerboard in 1980 than in the previous year. Exports to the nine countries of the enlarged European Community (752,623 tons) fell slightly more than six percent in 1980. However, for the second consecutive year, the Community's share of total Swedish kraft linerboard amounted to 84 percent, a considerably higher percentage than in the early 1970's. See Table 14.

Table 14

SWEDISH EXPORTS OF KRAFT LINERBOARD

	% Change			Original EC & Enlarged EC As % Of Total Exports		Sweden's % Share Of Total Exports From Five Supplying Countries	
	1980	1979	1979/80	1980	1979	1980	1979
Total Exports	893,517	953,804	- 6.3			22.1	29.3
To Original EC of Six	507,783	519,284	- 2.2	56.8	54.4	40.5	44.5
To Enlarged EC of Nine	752,623	801,819	- 6.1	84.2	84.1	38.4	42.4

For the first time since 1975, Germany displaced the United Kingdom as the largest individual customer of Swedish kraft linerboard. The United Kingdom, Germany, and France, traditionally Sweden's three largest kraft linerboard customers, accounted for 57 percent of Sweden's worldwide export volume of that grade, compared to 58 percent in 1979 and 54 percent in 1978. Table 15 shows the relative level of shipments to the five leading purchasers in each of the last six years.

Table 15

SWEDISH EXPORTS OF KRAFT LINERBOARD TO THE FIVE LARGEST COUNTRIES

	1980	1979	1978	1977	1976	1975
Germany	183,230	186,955	185,632	151,275	123,963	94,200
United Kingdom	167,317	196,985	203,509	187,614	165,063	94,121
France	157,217	166,137	126,530	84,004	101,216	54,862
Netherlands	68,638	65,944	60,909	62,393	58,957	37,147
Italy	67,555	71,856	72,502	72,412	19,086	2,827

Sweden produced 964,687 tons of unbleached kraft linerboard in 1980, down 4.4 percent from 1979, while exports fell 5.1 percent to 860,888 tons. For bleached kraft linerboard, 1980 production (103,991 tons) was 5.3 percent higher than the previous year, but exports (32,629 tons) fell nearly 30 percent.

For the fifth consecutive year, Sweden was the leading exporter among the five supplying countries of corrugating medium, even though shipments, (251,473 tons), fell 7.3 percent from the 1979 record. The United Kingdom, Italy, France, Germany, Denmark, and the Netherlands in that order, were the leading purchasers. The combined tonnage of exports to these six countries (179,218 tons) accounted for 71 percent of Sweden's export tonnage of that grade, compared to 66 percent in 1979. Table 16 shows the exports of corrugating medium to Sweden's five leading purchasers in 1980, as well as their relative positions during the five preceding years.

Table 16

SWEDISH EXPORTS OF CORRUGATING MEDIUM TO THE FIVE LARGEST COUNTRIES

	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1977</u>	<u>1976</u>	<u>1975</u>
United Kingdom	37,483	42,781	34,722	37,691	23,259	24,746
Italy	35,633	26,594	16,243	9,384	5,717	7,017
France	35,486	38,590	43,141	41,704	37,134	31,384
Germany	25,923	21,738	20,316	20,458	17,608	19,047
Denmark	22,980	22,973	20,250	19,826	20,419	14,452

Although Sweden's share of worldwide exports of corrugating medium from the five supplying countries fell from 36.3 percent in 1979 to 31.1 percent in 1980, Sweden's market position in the European Community dropped only slightly (1.6 percent). The Community accounted for a greater share of Sweden's total corrugating medium exports in 1980 (74 percent) than in 1979 (68 percent) or 1978 (59 percent). See Table 17.

Table 17

SWEDISH EXPORTS OF CORRUGATING MATERIAL

	<u>% Change</u>			<u>Original EC & Enlarged EC As % Of Total Exports</u>		<u>Sweden's % Share Of Total Exports From Five Supplying Countries</u>	
	<u>1980</u>	<u>1979</u>	<u>1979/80</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>
Total Exports	251,473	271,371	- 7.3			31.1	36.3
To Original EC of Six	124,833	117,854	+ 5.9	49.6	43.4	49.3	51.1
To Enlarged EC of Nine	185,535	183,819	+ 0.9	73.8	67.7	48.5	50.1

Finland

In 1980, following three consecutive years of growth in kraft linerboard exports, Finnish shipments of that grade (261,407 tons) fell by a quarter. Part of the decline is attributed to the shutdown of one kraft linerboard machine by a major producer, reducing total production by approximately 15 percent. The 1980 export level was 216,000 tons below the record volume set in 1974. Finland's percentage share of total kraft linerboard exports, relative to the other supplying countries, fell from 10.8 percent in 1979 to 6.4 percent in 1980, the lowest it has been since these data have been compiled, beginning in 1963.

Exports to the enlarged European Community (156,641 tons) were off 31.4 percent compared to 1979, as each of the nine countries in the Community purchased less in 1980 than the year before. Shipments to all areas, with the exception of the Caribbean and Eastern Europe, decreased in 1980.

Despite a decline of 35 percent to 52,045 tons, the United Kingdom was still the most important individual customer for Finland. Germany (34,953 tons) and the Netherlands (20,766 tons) were the next leading customers. Finland shipped 69 percent of its total kraft linerboard exports to Western Europe in 1980, compared to 74 and 77 percent, respectively, in the two previous years.

Finland's exports of corrugating medium declined 3.3 percent in 1980 to 246,742 tons. The United Kingdom, Germany and France, in that order, were the leading purchasers, together accounting from 40 percent (99,640 tons) of the total Finnish export volume of that grade.

Relative to the other supplying countries, Finland's percentage share of corrugating medium exports fell from 34.1 percent in 1979 to 30.6 percent in 1980, but the percentage share of total corrugating medium exports going to the European Community rose from 59.2 to 62.5 percent.

Tables 18 and 19 show Finnish exports of kraft linerboard and corrugating medium during the last two years. Also see Table 2, on page iii, for the growth rate of kraft linerboard exports in the reference periods.

Table 18

FINNISH EXPORTS OF KRAFT LINERBOARD

	<u>% Change</u>			<u>Original EC & Enlarged EC As % Of Total Exports</u>		<u>Finland's % Share Of Total Exports From Five Supplying Countries</u>	
	<u>1980</u>	<u>1979</u>	<u>1979/80</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>
Total Exports	261,407	350,516	- 25.4			6.4	10.8
To Original EC of Six	90,014	126,753	- 29.0	34.4	36.2	7.2	10.9
To Enlarged EC of Nine	156,641	228,184	- 31.4	59.9	65.1	7.9	12.1

Table 19

FINNISH EXPORTS OF CORRUGATING MEDIUM

	<u>% Change</u>			<u>Original EC & Enlarged EC As % Of Total Exports</u>		<u>Finland's % Share Of Total Exports From Five Supplying Countries</u>	
	<u>1980</u>	<u>1979</u>	<u>1979/80</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>
Total Exports	246,742	255,149	- 3.3			30.6	34.1
To Original EC of Six	102,422	93,816	+ 9.2	41.5	36.8	40.4	40.7
To Enlarged EC of Nine	154,114	151,081	+ 2.0	62.5	59.2	40.3	41.2

Canada

Canada was the only country besides the U.S. to increase its kraft linerboard exports in 1980 -- up 23.7 percent to 355,401 tons. The 1980 export level was only 58,455 tons shy of the 1974 record high. Export shipments increased to all areas, with the exception of Mexico and Central America, to which only a negligible tonnage (299 tons) had gone the year before. The enlarged Community purchased 204,364 tons, up 10.6 percent from 1980, mainly on the strength of increased sales to Belgium/Luxembourg (up 60 percent to 80,290 tons). The most striking change for Canada was the increase in kraft linerboard exports to the Caribbean from 6,694 tons in 1979 to 21,442 tons in 1980.

Canada shipped 58 percent of its total kraft linerboard export tonnage to Western Europe in 1980, compared to 64 percent in 1979, and far below the 1977 and 1976 figures of 72 and 82 percent, respectively.

With purchases of 80,711 tons (13 percent higher than in the previous year) the United Kingdom just barely retained its position as Canada's leading customer. Belgium-Luxembourg was a close second (80,290 tons), followed by Japan (43,792 tons), France (25,224 tons), and Cuba (21,442 tons). Together the five countries accounted for 70.8 percent of Canada's total export shipments in 1980.

Corrugating medium exports rose 27.1 percent to a record 198,470 tons. The U.S. was still Canada's leading purchaser of this grade, as exports remained relatively stable (down 3.5 percent to 42,708 tons). Honduras (26,284 tons), the People's Republic of China (24,364 tons), Ecuador (22,460 tons) and the United Kingdom (10,191 tons) were the next leading purchasers. These five countries accounted for 63 percent of Canada's total export volume of corrugating medium in 1980. Iran, which had traditionally been a major purchaser of corrugating medium from Canada, purchased only 3,284 tons in 1980, compared to 4,603 tons in 1979 and 22,203 tons in the pre-revolutionary year of 1978.

Table 20 shows Canada's exports of both grades during the last three years.

Table 20

CANADIAN EXPORTS OF KRAFT LINERBOARD AND CORRUGATING MATERIAL

	Changes In:						
				Tonnage		Percentage	
	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1979/80</u>	<u>1978/79</u>	<u>1979/80</u>	<u>1978/79</u>
Kraft Linerboard	355,401	287,377	283,239	+ 68,024	+ 4,138	+ 23.7	+ 1.5
Corrugating Material	198,470	156,137	176,992	+ 42,333	- 20,855	+ 27.1	- 11.8

Norway

With kraft linerboard shipments of 10,762 tons in 1980, down for the third consecutive year, Norway's export volume was the lowest since 1967. The record high (28,861 tons) had been set in 1977. On the other hand, exports of corrugating medium (47,950 tons) rose for the third consecutive year to the highest level since 1974. The record was set in 1968, when exports reached 64,471 tons.

Norway shipped virtually all of its kraft linerboard in 1980 to Western Europe, as well as 91 percent of its corrugating medium exports. Africa received 7 percent of the corrugating medium export tonnage, while the Middle East and Eastern Europe shared the remaining 2 percent.

The United Kingdom has traditionally been Norway's largest individual customer for both kraft linerboard and corrugating medium. In 1980, the U.K. maintained that position with regard to kraft linerboard, when it imported 7,875 tons (down 7.2 percent from the previous year), accounting for 73 percent of Norway's total exports. For corrugating medium, however, with imports of 5,367 tons (down 40.7 percent from 1979), the United Kingdom slipped to fourth place, behind Belgium-Luxembourg (6,217 tons), Switzerland (5,528 tons), and Germany (5,472 tons). These four importing countries accounted for 47 percent of Norway's total corrugating medium export volume in 1980.

Table 21 shows the Norwegian exports of kraft linerboard and corrugating material during the last three years.

Table 21

NORWEGIAN EXPORTS OF KRAFT LINERBOARD AND CORRUGATING MATERIAL

	Changes In:						
			Tonnage		Percentage		
	<u>1980</u>	<u>1979</u>	<u>1978</u>	<u>1979/80</u>	<u>1978/79</u>	<u>1979/80</u>	<u>1978/79</u>
Kraft Linerboard	10,762	14,746	19,077	- 3,984	- 4,331	- 27.0	- 22.7
Unbleached	10,685	13,535	16,280	- 2,850	- 2,745	- 21.1	- 16.9
Bleached	77	1,211	2,797	- 1,134	- 1,586	- 93.6	- 56.7
Corrugating Material	47,950	47,538	36,457	+ 412	+11,081	+ 0.9	+ 30.4

Export Growth of Kraft Linerboard from 1963 to 1979

Chart 2, at the end of this summary and analysis, shows on logarithmic scales the exports of kraft linerboard for each of the five supplying countries from 1963 through 1980. API has detailed data for all five countries for each of the years covered in the chart.

STATISTICAL NOTE

1. Sources

The Bureau of the Census of the U.S. Department of Commerce is the source for the U.S. data published in this report on kraft linerboard (combining unbleached and bleached grades) and corrugating medium.

The pulp and paper associations for the four other supplying countries have provided the data published in this report for their respective countries. We have used information available from all other sources to verify as much as possible the accuracy of the data in this report. It should be noted, however, that there will be some discrepancies between these data and the governmental figures which will be published later this year by importing countries.

2. Comparison Between Bureau of the Census and FKBG Data

As in the past, we have compared the Census data with the figures collected by the API Fourdrinier Kraft Board Group on "production of kraft linerboard and corrugating medium for export."

There has always been some discrepancy between the Bureau of the Census data on actual export shipments of unbleached kraft linerboard and corrugating medium, and the FKBG data on production for export of these grades. The table below provides the comparative data for the past three years. Past experience suggests that in comparing FKBG with Census data, it is more significant to look at the total containerboard shipments rather than at kraft linerboard and corrugating medium separately. Unfortunately, the discrepancy for corrugating medium continues to be large and not fully explainable.

	<u>1980</u>		<u>1979</u>		<u>1978</u>	
	Census Bureau Export Shipments	FKBG Production for Export	Census Bureau Export Shipments	FKBG Production for Export	Census Bureau Export Shipments	FKBG Production for Export
	(1,000 tons)		(1,000 tons)		(1,000 tons)	
Kraft Linerboard	2,527	2,380	1,645	1,621	1,539	1,466
Corrugating Medium	63	322	17	92	32	119
Containerboard	2,590	2,702	1,662	1,713	1,571	1,585

In addition, the Fourdrinier Kraft Board Group indicates that actual export shipments of containerboard amounted to 2,536,585 tons in 1980 -- within three percent of the comparable figure from the Census Bureau, as was the case in 1979.

We believe that the Fourdrinier Kraft Board Group data provide an accurate benchmark against which to compare the Census Bureau data. It is, of course, highly improbable that there could be an exact reconciliation between the two sets of figures. We have mentioned in past editions of this report several factors which should be considered when comparing the data from the two sources. The following are worth repeating:

- Production of unbleached kraft linerboard for export was 2,380,000 tons in 1980, while actual export shipments amounted to 2,213,200 tons, according to the API Fourdrinier Kraft Board Group. Both figures include a small, unquantifiable amount of kraft paperboard for uses other than as containerboard.
- The members of the API Fourdrinier Kraft Board Group produce a substantial amount of mottled white linerboard for export. This product is classified as an unbleached grade by API, but it is most likely reported as bleached linerboard by the Census Bureau. This is undoubtedly one cause for the obvious inflation of the Census Bureau figure on exports of bleached kraft linerboard (233,924 tons) in 1980. The API Capacity Survey shows that the 1980 capacity for this grade of solid bleached paperboard was only 145,000 tons, and we know that only a small percentage of the amount produced was exported.
- Some of the exports of corrugating medium are probably reported as kraft linerboard in the data collected by the Bureau of the Census.
- There is some time lag between the reported production for export by companies and the actual shipping. When these shipping data are picked up by the Census Bureau it creates a normal but unavoidable reason for some discrepancies.

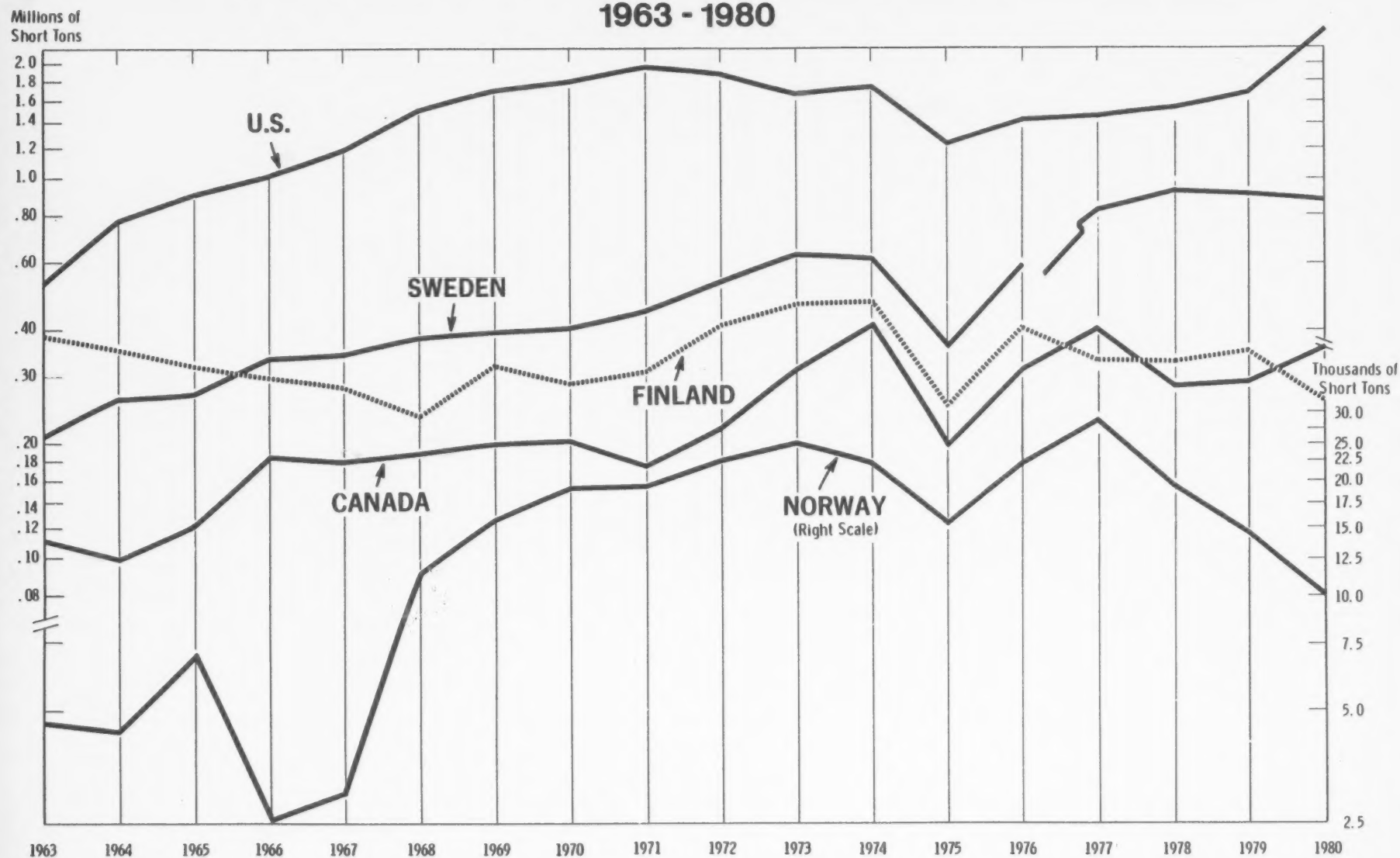
We express our sincere appreciation to the pulp and paper associations in Canada, Finland, Norway and Sweden for providing the information that makes this report possible. We also thank the members of the API staff who assisted in the preparation of the report. If you have any comments or questions, please contact Mark Wandler, Manager, International Services, or me.

Irene W. Meister

Irene W. Meister
Vice President, International

EXPORTS OF KRAFT LINERBOARD FROM FIVE SUPPLYING COUNTRIES

1963 - 1980



EXPORTS OF KRAFT LINERBOARD AND CORRUGATING MATERIAL
1979 and 1980
UNITED STATES, CANADA, FINLAND, NORWAY AND SWEDEN
(Short Tons)

SUMMARY

DESTINATION BY WORLD AREAS

TO:	FROM:		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	UNITED STATES		1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
	1980	1979										
NORTH AMERICA												
Kraft Liner	26,082	54,606	39,429	20,829	0	0	0	0	0	0	65,511	75,435
Corrugating	645	2,910	42,708	44,262	0	0	0	0	0	0	43,353	47,172
EEC - 6 ORIGINAL MEMBERS												
Kraft Liner	529,600	403,371	123,653	113,244	90,014	126,753	2,503	3,879	507,783	519,284	1,253,553	1,166,531
Corrugating	146	194	6,780	1,713	102,422	93,816	19,175	16,989	124,833	117,854	253,356	230,566
EEC - 3 NEW MEMBERS												
Kraft Liner	308,289	257,604	80,711	71,581	66,627	101,431	7,903	9,809	244,840	282,535	708,370	722,960
Corrugating	32	227	10,191	1,458	51,692	57,265	6,694	11,067	60,702	65,965	129,311	135,982
ENLARGED EEC (Community of 9)												
Kraft Liner	837,889	660,975	204,364	184,825	156,641	228,184	10,406	13,688	752,623	801,819	1,961,923	1,889,491
Corrugating	178	421	16,971	3,171	154,114	151,081	25,869	28,056	185,535	183,819	382,667	366,548
OTHER WESTERN EUROPE												
Kraft Liner	80,744	50,163	0	482	23,281	30,791	126	213	79,505	69,854	183,656	151,503
Corrugating	2,592	1,270	8,010	1,540	25,731	24,714	17,721	15,848	22,722	26,662	76,776	70,034
TOTAL WESTERN EUROPE												
Kraft Liner	918,633	711,138	204,364	185,307	179,922	258,975	10,532	13,901	832,128	871,673	2,145,579	2,040,994
Corrugating	2,770	1,691	24,981	4,711	179,845	175,795	43,590	43,904	208,257	210,481	459,443	436,582
CENTRAL AMERICA AND MEXICO												
Kraft Liner	337,375	278,352	0	299	0	0	0	0	0	0	337,375	278,651
Corrugating	9,121	4,862	41,853	51,196	1,175	649	0	0	0	3,325	52,149	60,032
CARIBBEAN AND OTHER ISLANDS												
Kraft Liner	46,117	45,912	21,442	6,694	657	328	0	0	0	1,000	68,216	54,894
Corrugating	2,625	1,548	4,437	1,987	0	108	0	0	6	715	7,068	4,358

SUMMARY (Continued)
DESTINATION BY WORLD AREAS

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
SOUTH AMERICA												
Kraft Liner	130,280	109,969	3,454	1,642	163	2,642	0	0	0	330	133,897	114,583
Corrugating	2,178	707	24,856	34,464	328	623	0	0	768	3,542	28,130	39,336
NEAR AND MIDDLE EAST												
Kraft Liner	98,613	100,588	794	0	6,364	17,506	0	31	24,233	14,366	130,004	132,491
Corrugating	3,212	2,194	4,840	5,148	24,308	32,922	665	623	15,180	7,452	48,205	48,339
AFRICA												
Kraft Liner	240,555	69,663	1,791	0	9,180	15,736	137	329	22,443	40,669	274,106	126,397
Corrugating	4,241	2,749	8,534	247	21,332	22,113	3,525	2,870	24,073	32,111	61,705	60,090
OCEANIA AND FAR EAST												
Kraft Liner	410,566	264,153	78,038	69,353	2,200	3,175	93	485	5,411	20,317	496,308	357,483
Corrugating	4,041	668	21,897	1,141	6,283	12,747	0	141	1,410	9,350	33,631	24,047
U.S.S.R. AND EASTERN EUROPE												
Kraft Liner	0	0	0	0	62,921	52,154	0	0	3,840	4,489	66,761	56,643
Corrugating	0	0	0	0	0	66	170	0	1,779	4,395	1,949	4,461
CHINA, PEOPLE'S REPUBLIC OF												
Kraft Liner	319,024	10,520	6,089	3,253	0	0	0	0	5,462	0	330,575	13,773
Corrugating	34,051	32	24,364	12,981	13,471	10,126	0	0	0	0	71,886	23,139
WORLD TOTAL												
Kraft Liner	2,527,245	1,644,901	355,401	287,377	261,407	350,516	10,762	14,746	893,517	953,804	4,048,332	3,251,344
Corrugating	62,884	17,361	198,470	156,137	246,742	255,149	47,950	47,538	251,473	271,371	807,519	747,556

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
<u>NORTH AMERICA</u>												
CANADA												
Kraft Liner	26,082	54,606	---	---	---	---	---	---	---	---	26,082	54,606
Corrugating	645	2,910	---	---	---	---	---	---	---	---	645	2,910
UNITED STATES												
Kraft Liner	---	---	39,429	20,829	---	---	---	---	---	---	39,429	20,829
Corrugating	---	---	42,708	44,262	---	---	---	---	---	---	42,708	44,262
AREA TOTAL												
Kraft Liner	26,082	54,606	39,429	20,829	---	---	---	---	---	---	65,511	75,435
Corrugating	645	2,910	42,708	44,262	---	---	---	---	---	---	43,353	47,172
<u>ENLARGED EEC</u>												
BELGIUM-LUXEMBOURG												
Kraft Liner	26,282	29,031	80,290	50,074	12,295	25,009	272	---	31,147	28,392	150,286	132,506
Corrugating	---	---	---	---	11,698	5,554	6,217	3,901	6,078	5,764	23,993	15,219
DENMARK												
Kraft Liner	3,556	407	---	---	9,185	9,995	---	1,253	52,779	54,686	65,520	66,341
Corrugating	---	---	---	---	11,479	10,517	1,017	1,633	22,980	22,973	35,476	35,123
FRANCE												
Kraft Liner	58,484	49,262	25,224	22,252	19,012	20,561	---	301	157,217	166,137	259,937	258,513
Corrugating	30	2	---	---	27,392	28,999	4,256	6,738	35,486	38,590	67,164	74,329
GERMANY, FEDERAL REPUBLIC												
Kraft Liner	242,851	176,722	14,188	33,075	34,953	48,730	1,560	1,578	183,230	186,955	476,782	447,060
Corrugating	114	174	4,980	1,426	32,101	28,148	5,472	5,216	25,923	21,738	68,590	56,702
IRELAND												
Kraft Liner	52	834	---	---	5,397	10,826	28	69	24,744	30,864	30,221	42,593
Corrugating	---	---	---	---	66	1,872	310	383	239	211	615	2,466
ITALY												
Kraft Liner	160,750	100,625	---	---	2,988	9,816	---	11	67,555	71,856	231,293	182,308
Corrugating	2	---	1,090	---	10,235	7,979	2,446	764	35,633	26,594	49,406	35,337
NETHERLANDS												
Kraft Liner	41,233	47,731	3,951	7,843	20,766	22,637	671	1,989	68,634	65,944	135,255	146,144
Corrugating	---	18	710	287	20,996	23,136	784	370	21,713	25,168	44,203	48,979

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
UNITED KINGDOM												
Kraft Liner	304,681	256,363	80,711	71,581	52,045	80,610	7,875	8,487	167,317	196,985	612,629	614,026
Corrugating	32	227	10,191	1,458	40,147	44,876	5,367	9,051	37,483	42,781	93,220	98,393
AREA TOTAL												
Kraft Liner	837,889	660,975	204,364	184,825	156,641	228,184	10,406	13,688	752,623	801,819	1,961,923	1,889,491
Corrugating	178	421	16,971	3,171	154,114	151,081	25,869	28,056	185,535	183,819	382,667	366,548
OTHER WESTERN EUROPE												
AUSTRIA												
Kraft Liner	1,046	294	---	---	1,811	2,583	49	---	12,455	12,081	15,361	14,958
Corrugating	---	---	---	---	11	---	---	---	455	482	466	482
CYPRUS												
Kraft Liner	10,221	13,561	---	---	1,583	1,516	---	148	89	1,056	11,893	16,281
Corrugating	---	---	676	---	3,529	1,418	---	418	---	859	4,205	2,695
FINLAND												
Kraft Liner	2,162	2	---	---	---	---	---	---	6,786	3,106	8,948	3,108
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
GREECE												
Kraft Liner	25,997	18,226	---	---	218	999	---	---	5,431	6,884	31,646	26,109
Corrugating	---	---	3,460	550	5,499	4,514	4,461	3,571	---	2,203	13,420	10,838
ICELAND												
Kraft Liner	143	---	---	---	---	---	---	---	2,944	2,427	3,087	2,427
Corrugating	1	---	---	---	690	925	886	887	23	---	1,600	1,812
MALTA												
Kraft Liner	---	52	---	---	---	---	---	---	77	13	77	65
Corrugating	---	---	---	---	---	---	---	---	342	106	342	106
NORWAY												
Kraft Liner	135	393	---	---	5,286	4,583	---	---	27,187	24,057	32,608	29,033
Corrugating	---	---	---	---	---	---	---	---	13,088	12,519	13,088	12,519
PORTUGAL												
Kraft Liner	25	20	---	---	---	---	---	---	---	---	25	20
Corrugating	---	---	---	---	---	319	---	---	---	---	---	319

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
SPAIN												
Kraft Liner	32,802	12,865	---	482	4,245	12,153	---	---	1,735	1,304	38,782	26,804
Corrugating	2,569	1,202	1,220	---	12,168	14,969	2,670	2,627	5,458	7,342	24,085	26,140
SWEDEN												
Kraft Liner	1	14	---	---	4,436	2,828	---	---	---	---	4,437	2,842
Corrugating	19	68	254	---	289	305	4,176	3,318	---	---	4,738	3,691
SWITZERLAND												
Kraft Liner	8,212	4,736	---	---	5,702	6,129	77	65	20,120	17,845	34,111	28,775
Corrugating	3	---	2,400	990	3,545	2,264	5,528	5,027	3,356	3,151	14,832	11,432
YUGOSLAVIA												
Kraft Liner	---	---	---	---	---	---	---	---	2,681	1,081	2,681	1,081
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
AREA TOTAL												
Kraft Liner	80,744	50,163	---	482	23,281	30,791	126	213	79,505	69,854	183,656	151,503
Corrugating	2,592	1,270	8,010	1,540	25,731	24,714	17,721	15,848	22,722	26,662	76,776	70,034
TOTAL WESTERN EUROPE												
Kraft Liner	918,633	711,138	204,364	185,307	179,922	258,975	10,532	13,901	832,128	871,673	2,145,579	2,040,994
Corrugating	2,770	1,691	24,981	4,711	179,845	175,795	43,590	43,904	208,257	210,481	459,443	436,582
CENTRAL AMERICA AND MEXICO												
BELIZE												
Kraft Liner	20	---	---	---	---	---	---	---	---	---	20	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
COSTA RICA												
Kraft Liner	88,398	96,826	---	---	---	---	---	---	---	---	88,398	96,826
Corrugating	3,398	49	7,769	12,533	---	---	---	---	---	---	11,167	12,582
EL SALVADOR												
Kraft Liner	19,186	8,204	---	---	---	---	---	---	---	---	19,186	8,204
Corrugating	681	289	---	---	1,175	649	---	---	---	2,135	1,856	3,073
GUATEMALA												
Kraft Liner	46,887	33,228	---	---	---	---	---	---	---	---	46,887	33,228
Corrugating	2,767	3,046	---	---	---	---	---	---	---	---	2,767	3,046

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
HONDURAS												
Kraft Liner	85,864	84,533	---	299	---	---	---	---	---	---	85,864	84,832
Corrugating	1,875	---	26,284	21,749	---	---	---	---	---	98	28,159	21,747
MEXICO												
Kraft Liner	32,034	7,769	---	---	---	---	---	---	---	---	32,034	7,769
Corrugating	391	1,435	---	---	---	---	---	---	---	---	391	1,435
NICARAGUA												
Kraft Liner	153	3,671	---	---	---	---	---	---	---	---	153	3,671
Corrugating	---	---	---	604	---	---	---	---	---	---	---	604
PANAMA												
Kraft Liner	64,833	44,121	---	---	---	---	---	---	---	---	64,833	44,121
Corrugating	9	43	7,800	16,310	---	---	---	---	---	1,092	7,809	17,445
AREA TOTAL												
Kraft Liner	337,375	278,352	---	299	---	---	---	---	---	---	337,375	278,651
Corrugating	9,121	4,862	41,853	51,196	1,175	649	---	---	---	3,325	52,149	60,032
CARIBBEAN AND OTHER ISLANDS												
BAHAMAS												
Kraft Liner	12	28	---	---	---	---	---	---	---	---	12	28
Corrugating	2	7	---	---	---	---	---	---	---	---	2	7
BARBADOS												
Kraft Liner	20	331	---	---	---	---	---	---	---	---	20	331
Corrugating	4	---	---	---	---	---	---	---	---	---	4	---
BERMUDA												
Kraft Liner	2	1	---	---	---	---	---	---	---	---	2	1
Corrugating	---	---	421	15	---	---	---	---	---	---	421	15
CUBA												
Kraft Liner	---	---	21,442	6,694	657	328	---	---	---	1,960	22,099	8,982
Corrugating	---	---	2,751	---	---	---	---	---	---	---	2,751	---
DOMINICAN REPUBLIC												
Kraft Liner	11,861	9,455	---	---	---	---	---	---	---	---	11,861	9,455
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
FRENCH WEST INDIES												
Kraft Liner	6,739	14,234	---	---	---	---	---	---	---	---	6,739	14,234
Corrugating	---	---	---	---	---	108	---	---	---	---	---	108
HAITI												
Kraft Liner	66	3	---	---	---	---	---	---	---	---	66	3
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
JAMAICA												
Kraft Liner	5,948	9,415	---	---	---	---	---	---	---	---	5,948	9,415
Corrugating	---	19	---	822	---	---	---	---	6	416	6	1,257
LEEWARD/WINDWARD ISLANDS												
Kraft Liner	8,953	2,796	---	---	---	---	---	---	---	---	8,953	2,796
Corrugating	2,590	1,518	---	---	---	---	---	---	---	---	2,590	1,518
NETHERLANDS ANTILLES												
Kraft Liner	509	3	---	---	---	---	---	---	---	---	509	3
Corrugating	3	4	---	---	---	---	---	---	---	---	3	4
TRINIDAD AND TOBAGO												
Kraft Liner	12,007	9,646	---	---	---	---	---	---	---	---	12,007	9,646
Corrugating	26	---	1,265	1,150	---	---	---	---	---	299	1,291	1,449
AREA TOTAL												
Kraft Liner	46,117	45,912	21,442	6,694	657	328	---	---	---	1,960	68,216	54,894
Corrugating	2,625	1,548	4,437	1,987	---	108	---	---	6	715	7,068	4,358
<u>SOUTH AMERICA</u>												
ARGENTINA												
Kraft Liner	5,418	4,787	1,045	315	163	2,642	---	---	---	---	6,626	7,744
Corrugating	3	98	---	---	328	623	---	---	768	676	1,099	1,397
BOLIVIA												
Kraft Liner	---	19	1,716	---	---	---	---	---	---	---	1,716	19
Corrugating	---	---	---	---	---	---	---	---	---	233	---	233
BRAZIL												
Kraft Liner	101	2,975	---	---	---	---	---	---	---	---	101	2,975
Corrugating	18	---	---	---	---	---	---	---	---	---	18	---

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
CHILE												
Kraft Liner	881	3,525	660	1,327	---	---	---	---	---	330	1,541	5,182
Corrugating	---	---	---	2,195	---	---	---	---	---	2,633	---	4,828
COLOMBIA												
Kraft Liner	55,549	45,590	---	---	---	---	---	---	---	---	55,549	45,590
Corrugating	1	596	2,396	6,593	---	---	---	---	---	---	2,397	7,189
ECUADOR												
Kraft Liner	49,132	41,362	---	---	---	---	---	---	---	---	49,132	41,362
Corrugating	2,153	---	22,460	25,676	---	---	---	---	---	---	24,613	25,676
GUYANA												
Kraft Liner	75	128	---	---	---	---	---	---	---	---	75	128
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
PARAGUAY												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
PERU												
Kraft Liner	5,242	1,266	33	---	---	---	---	---	---	---	5,275	1,266
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
SURINAM												
Kraft Liner	1,586	3,328	---	---	---	---	---	---	---	---	1,586	3,328
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
URUGUAY												
Kraft Liner	86	---	---	---	---	---	---	---	---	---	86	---
Corrugating	---	2	---	---	---	---	---	---	---	---	---	2
VENEZUELA												
Kraft Liner	12,210	6,989	---	---	---	---	---	---	---	---	12,210	6,989
Corrugating	3	11	---	---	---	---	---	---	---	---	3	11
AREA TOTAL												
Kraft Liner	130,280	109,969	3,454	1,642	163	2,642	---	---	---	330	133,897	114,583
Corrugating	2,178	707	24,856	34,464	328	623	---	---	768	3,542	28,130	39,336

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
NEAR AND MIDDLE EAST												
IRAN												
Kraft Liner	---	9,544	---	---	3,077	1,143	---	31	19,318	2,761	22,395	13,479
Corrugating	---	2,182	3,284	4,603	8,785	5,692	439	---	11,674	3,082	24,182	15,559
IRAQ												
Kraft Liner	---	---	---	---	---	---	---	---	659	---	659	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
ISRAEL												
Kraft Liner	54,792	72,703	---	---	2,515	14,834	---	---	---	1,213	57,307	88,750
Corrugating	264	---	---	---	9,407	21,162	---	---	---	---	9,671	21,162
JORDAN												
Kraft Liner	3,887	2,723	---	---	215	---	---	---	---	---	4,102	2,723
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
KUWAIT												
Kraft Liner	2,349	325	265	---	---	---	---	---	---	---	2,614	325
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
LEBANON												
Kraft Liner	24,818	10,174	---	---	53	1,052	---	---	3,517	6,905	28,388	18,131
Corrugating	---	---	979	545	4,464	2,167	---	---	2,569	3,468	8,012	6,180
SAUDI ARABIA												
Kraft Liner	10,532	3,789	529	---	---	130	---	---	215	1,176	11,276	5,095
Corrugating	2	12	577	---	1,203	3,774	---	---	875	885	2,657	4,671
SYRIA												
Kraft Liner	1,452	1,307	---	---	---	---	---	---	---	1,761	1,452	3,068
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
TURKEY												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
UNITED ARAB EMIRATES												
Kraft Liner	427	23	---	---	504	347	---	---	---	---	931	370
Corrugating	2,946	---	---	---	449	127	---	---	62	---	3,457	127

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
YEMEN												
Kraft Liner	356	---	---	---	---	---	---	---	524	550	880	550
Corrugating	---	---	---	---	---	---	226	623	---	17	226	640
AREA TOTAL												
Kraft Liner	98,613	100,588	794	---	6,364	17,506	---	31	24,233	14,366	130,004	132,491
Corrugating	3,212	2,194	4,840	5,148	24,308	32,922	665	623	15,180	7,452	48,205	48,339
AFRICA												
ALGERIA												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	827	1,678	---	---	---	---	827	1,678
ANGOLA												
Kraft Liner	7,174	1,109	---	---	---	---	---	---	---	261	7,174	1,370
Corrugating	---	---	---	---	---	---	---	---	596	546	596	546
BENIN												
Kraft Liner	---	3	---	---	---	---	---	---	---	---	---	3
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
CAMEROON												
Kraft Liner	9,895	5,067	---	---	63	---	---	---	429	1,679	10,387	6,746
Corrugating	---	---	---	---	1,444	592	---	---	1,012	938	2,456	1,530
CANARY ISLANDS												
Kraft Liner	36,425	25,998	---	---	---	---	---	---	---	---	36,425	25,998
Corrugating	2,819	2,746	---	---	---	---	---	---	---	---	2,819	2,746
CONGO												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
EGYPT												
Kraft Liner	56,313	2,358	---	---	227	1,664	---	163	1,211	4,554	57,751	8,739
Corrugating	---	---	3,709	---	729	660	---	---	---	---	4,438	660
ETHIOPIA												
Kraft Liner	---	---	---	---	---	---	---	---	1,213	782	1,213	782
Corrugating	---	---	---	---	794	---	---	---	795	740	1,589	740

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
GHANA												
Kraft Liner	952	50	---	---	---	---	---	---	658	1,283	1,610	1,333
Corrugating	---	---	---	---	771	---	---	---	429	314	1,200	314
GUINEA												
Kraft Liner	---	---	---	---	---	---	6	---	---	---	6	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
IVORY COAST												
Kraft Liner	23,141	17,199	---	---	1,172	1,225	---	---	374	3,318	24,687	21,742
Corrugating	---	---	---	---	3,337	2,304	2,212	2,244	6,140	6,957	11,689	11,505
KENYA												
Kraft Liner	680	---	---	---	---	---	---	---	---	758	680	758
Corrugating	---	---	---	---	1,479	953	---	---	1,047	5,218	2,526	6,171
LIBERIA												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	2	---	---	---	---	---	---	---	---	---	2	---
LIBYA												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	2	---	---	---	---	---	---	---	---	---	2	---
MADAGASCAR												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	250	---	250	---
MALAWI												
Kraft Liner	752	---	---	---	---	---	---	---	117	19	869	19
Corrugating	---	---	---	---	---	---	---	---	---	108	---	108
MALI												
Kraft Liner	---	---	---	---	55	---	---	---	---	---	55	---
Corrugating	---	---	---	---	214	---	---	---	---	---	214	---
MOROCCO												
Kraft Liner	3,505	539	---	---	2,181	10,477	---	---	11,098	12,102	16,784	23,118
Corrugating	---	---	---	---	5,100	7,417	---	---	6,497	6,054	11,597	13,471

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
MOZAMBIQUE												
Kraft Liner	2,744	---	---	---	---	---	---	---	---	---	2,744	---
Corrugating	---	---	---	---	---	---	---	---	57	---	57	---
NIGER												
Kraft Liner	494	---	---	---	---	---	---	---	---	---	494	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
NIGERIA												
Kraft Liner	60,573	10,138	1,791	---	3,146	1,139	131	---	597	2,379	66,238	13,656
Corrugating	387	---	4,553	---	4,195	3,609	554	626	3,264	3,371	12,953	7,606
SENEGAL												
Kraft Liner	3,555	2,872	---	---	182	98	---	---	1,071	1,110	4,808	4,080
Corrugating	---	---	---	218	26	160	---	---	1,132	1,300	1,158	1,678
SIERRA LEONE												
Kraft Liner	---	41	---	---	---	---	---	---	---	---	---	41
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
SOMALIA												
Kraft Liner	---	---	---	---	---	---	---	---	1,043	3,782	1,043	3,782
Corrugating	---	---	---	---	---	---	---	---	594	1,951	594	1,951
SOUTH AFRICA												
Kraft Liner	30,852	2,093	---	---	1,303	751	---	---	---	---	32,155	2,844
Corrugating	---	3	---	29	---	---	---	---	---	---	---	32
SUDAN												
Kraft Liner	37	2,150	---	---	121	---	---	166	184	564	342	2,880
Corrugating	---	---	272	---	---	174	85	---	669	2,080	1,026	1,254
TANZANIA												
Kraft Liner	725	---	---	---	179	---	---	---	266	765	1,170	765
Corrugating	---	---	---	---	227	---	115	---	1,280	595	1,622	595
TOGO												
Kraft Liner	6	2	---	---	---	---	---	---	---	---	6	2
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
TUNISIA												
Kraft Liner	2,656	44	---	---	---	---	---	---	3,909	7,313	6,565	7,357
Corrugating	1,031	---	---	---	2,189	3,104	559	---	173	2,930	3,952	6,034
ZAIRE												
Kraft Liner	76	---	---	---	---	382	---	---	273	---	349	382
Corrugating	---	---	---	---	---	164	---	---	138	9	138	173
ZAMBIA												
Kraft Liner	---	---	---	---	551	---	---	---	---	---	551	---
Corrugating	---	---	---	---	---	1,298	---	---	---	---	---	1,298
AREA TOTAL												
Kraft Liner	240,555	69,663	1,791	---	9,180	15,736	137	329	22,443	40,669	274,106	126,397
Corrugating	4,241	2,749	8,534	247	21,332	22,113	3,525	2,870	24,073	32,111	61,705	60,090
OCEANIA AND FAR EAST												
AFGHANISTAN												
Kraft Liner	---	---	---	---	---	---	---	---	164	135	164	135
Corrugating	---	---	---	---	---	82	---	---	1,197	453	1,197	535
AUSTRALIA AND NEW ZEALAND												
Kraft Liner	6,436	5,615	---	26	1,243	1,150	---	25	3	2	7,682	6,818
Corrugating	128	202	---	---	1,771	2,094	---	---	2	2	1,901	2,298
BRUNEI												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	25	---	25	---
CHINA, REPUBLIC OF												
Kraft Liner	15,799	7,828	874	---	---	---	---	---	---	5,467	16,673	13,295
Corrugating	58	18	---	---	---	---	---	---	---	2,173	58	2,191
FIJI AND TONGA												
Kraft Liner	868	19	---	---	---	---	---	---	---	---	868	19
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
FRENCH PACIFIC ISLANDS												
Kraft Liner	20	15	---	---	---	---	---	---	---	---	20	15
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
HONG KONG												
Kraft Liner	58,882	37,311	11,700	8,795	---	---	---	---	---	---	70,582	46,106
Corrugating	1	---	8,651	---	88	---	---	---	17	386	8,757	386
INDIA												
Kraft Liner	---	---	---	---	11	5	---	---	---	115	11	120
Corrugating	---	---	---	---	---	---	---	---	---	433	---	433
INDONESIA												
Kraft Liner	35,037	15,106	6,863	5,314	398	870	---	---	---	---	42,298	21,290
Corrugating	2,705	---	4,436	---	2,123	6,259	---	---	---	1,420	9,264	7,679
JAPAN												
Kraft Liner	162,348	74,443	43,792	39,676	---	---	---	---	3	236	206,143	114,355
Corrugating	254	104	26	1,038	546	4,312	---	109	---	280	826	5,841
KOREA, REPUBLIC OF												
Kraft Liner	14,489	12,666	599	346	---	---	---	---	---	13,174	15,088	26,186
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
MALAYSIA												
Kraft Liner	30,897	27,225	4,117	3,441	55	---	47	34	---	---	35,116	30,700
Corrugating	361	---	947	51	461	---	---	---	---	2,719	1,769	2,770
PAKISTAN												
Kraft Liner	595	---	103	---	---	---	---	---	308	1,060	1,006	1,060
Corrugating	---	---	---	---	---	---	---	---	55	120	55	120
PHILIPPINES												
Kraft Liner	46,750	51,033	---	27	---	---	---	---	---	---	46,750	51,060
Corrugating	95	344	251	---	---	---	---	---	---	---	346	344
SINGAPORE												
Kraft Liner	37,623	30,606	9,990	11,728	493	1,150	46	29	---	---	48,152	43,513
Corrugating	439	---	7,586	52	1,252	---	---	32	---	683	9,277	767
SRI LANKA (CEYLON)												
Kraft Liner	8	---	---	---	---	---	---	397	357	128	365	525
Corrugating	---	---	---	---	42	---	---	---	114	681	156	681

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	UNITED STATES		CANADA		FINLAND		NORWAY		SWEDEN		TOTAL	
	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979
THAILAND												
Kraft Liner	814	2,286	---	---	---	---	---	---	---	---	814	2,286
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
VIETNAM, PEOPLE'S REPUBLIC OF												
Kraft Liner	---	---	---	---	---	---	---	---	4,576	---	4,576	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
AREA TOTAL												
Kraft Liner	410,566	264,153	78,038	69,353	2,200	1,175	93	485	5,411	20,317	496,308	357,483
Corrugating	4,041	668	21,897	1,141	6,283	12,747	---	141	1,410	9,350	33,631	24,047
U.S.S.R. AND EASTERN EUROPE												
ALBANIA												
Kraft Liner	---	---	---	---	---	---	---	---	541	---	541	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
BULGARIA												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
CZECHOSLOVAKIA												
Kraft Liner	---	---	---	---	---	53	---	---	44	---	44	53
Corrugating	---	---	---	---	---	---	170	---	40	---	110	---
GERMANY, DEMOCRATIC REP												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	1,738	4,385	1,738	4,385
HUNGARY												
Kraft Liner	---	---	---	---	1,689	1,397	---	---	---	---	1,689	1,397
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
POLAND												
Kraft Liner	---	---	---	---	---	---	---	---	3,235	4,499	3,235	4,499
Corrugating	---	---	---	---	---	66	---	---	---	---	---	66
ROMANIA												
Kraft Liner	---	---	---	---	---	---	---	---	---	---	---	---
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---

DESTINATION BY WORLD AREAS AND INDIVIDUAL COUNTRIES (Continued)

TO:	FROM:											
	<u>UNITED STATES</u>		<u>CANADA</u>		<u>FINLAND</u>		<u>NORWAY</u>		<u>SWEDEN</u>		<u>TOTAL</u>	
	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>
U.S.S.R.												
Kraft Liner	---	---	---	---	61,232	50,704	---	---	---	---	61,232	50,704
Corrugating	---	---	---	---	---	---	---	---	---	---	---	---
AREA TOTAL												
Kraft Liner	---	---	---	---	62,921	52,154	---	---	3,840	4,489	66,761	56,643
Corrugating	---	---	---	---	---	66	170	---	1,779	4,395	1,949	4,461
CHINA, PEOPLE'S REPUBLIC OF												
Kraft Liner	319,024	10,520	6,089	3,253	---	---	---	---	5,462	---	330,575	13,773
Corrugating	34,051	32	24,364	12,981	13,471	10,126	---	---	---	---	71,886	23,139

SOURCES: U.S. Department of Commerce, Bureau of Census
 Canadian Pulp and Paper Association
 Central Association of Finnish Forest Industries
 Norwegian Papermakers' Association
 Swedish Pulp and Paper Association

Prepared by: International Department
 American Paper Institute